

TWIN S комбинирана машина-моделни и спецификации

TWIN-S 225 E:Изцяло електричен уред.

TWIN-S 315 H:Хидравличен уред с автоматичен контролер.

Характеристика

Основни параметри:

Челно заваряне и електрозаваряне комбинирани в един единствен уред.

Изцяло контролиран процес:Предпазва от допускане на грешки. Оптимизация времето на потребителя.

Лесен за употреба:Не е необходимо специално обучение за потребителя.

Пълно проследяване на работния процес:Лесно извлечение на данни за всяка една заварка посредством свързване към принтер или компютър.

Графичен дисплей:За осъществяване на контрол и наблюдение на заваръчния процес.

Система за разчитане на данни:Оптичен писец или скенер. Свеждане на грешките до минимум.

Обем за четене на информацията:1,000 заварки с възможност за натрупване на информация.

Максимална гаранция и безопасност:Произведена в съответствие с Европейските стандарти за безопасност при машините(CE).

Приложение:Тръби:

Съединява всички видове термопластични тръби(полиетиленови, полипропиленови и др.)

Област на приложение:

Челна заварка

TWIN 225 E – Челно заваряване на тръби и фитинги от 63 мм до 225 мм.

TWIN 315 H - Челно заваряване на тръби и фитинги от 90 мм до 315 мм.

Електрофузионна заварка

Ел.заварка на всички стандартни електрофузионни фитинги на пазара.

Работно налягане:Без ограничения за налягането на тръбите, които трябва да бъдат съединени.



Челна заварка



Ел.заварка



TWIN S machines-Models and specifications

TWIN-S 225 E: Completely electrical unit.

TWIN-S 315 H: Hydraulic unit with automatic controller.

Specifications

Universal:

Butt fusion and electrofusion in one single unit. Reduction of the number of units.

Total controlled process: Avoids human error. Optimisation of user time.

Easy to use: The user does not need specific training.

Total traceability: Easy on-screen retrieval of data on any joint by connection to printer or PC.

Graphic display: For the control and monitoring of fusion processes.

Reading system: Optic pen or scanner. Minimisation of errors.

Reading capacity: 1,000 welds with memory overflow option.

Maximum guarantee and safety: Manufactured in compliance with European machine safety standards (CE).

> Applications

Pipes : Capable of jointing any type of thermoplastic pipe (polyethylene, polypropylene, etc.).

Range of application :

Butt fusion

TWIN 225 E - Butt fusion of pipes and fittings from 63 mm to 225 mm.

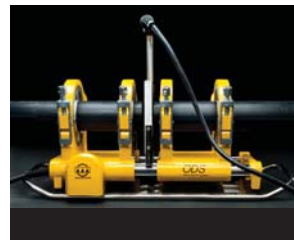
TWIN 315 H - Butt fusion of pipes and fittings from 90 mm to 315 mm.

Electrofusion:

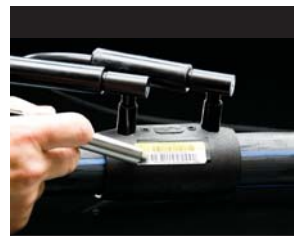
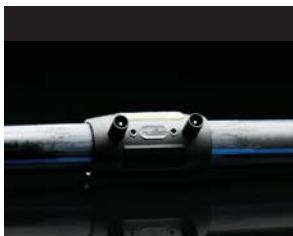
Electrofusion of all standard electrofusion fittings on the market.

Working pressures : No limitations to the pressures of the pipes to be jointed.

Butt fusion



Electrofusion



TECHNICAL SPECIFICATIONS

CONTROL MODULE

General specifications

Mains voltage:	180 Vac to 264 Vac. Nominal voltage: 230 Vac. 95 Vac to 140 Vac. Nominal voltage: 110 Vac.
Mains frequency:	45Hz to 65 Hz. Nominal frequency: 50 Hz.
Power consumption:	3500 W maximum
Generator output power:	4,5 kVA single phase, recommended. Electronic regulation, preferable.
Input fuse (exterior):	16 A at 230 Vac; not applicable for 110 Vac.
Protection fuse (interior):	20 A at 230 Vac; 32 A at 110 Vac.
Protection type:	IP54
Working temperature:	-10 to 50 EC(modifiable to order).
Display:	Graphic LCD with a resolution of 240x128 dots.
Sizes:	123x68 mm; 16 lines.
Keyboard:	8 tactile sensation membrane pushbuttons.
Connection to computer:	Series RS-232 special.
Connection to printer:	Parallel Centronics.



Specifications for electrofusion (TWIN-S):

Mains voltage:	8-48 Vac with galvanic isolation (at 230 Vac/110 Vac nominal voltage).
Electrofusion time:	Up to 5940 seconds (99 minutes).
Duty factor:	20 a 100% (according to diameter of fitting). Electronic unit temperature control
Optic pen:	Unintelligent infrareds. (Scanner available to order)
Optic pen / scanner connection:	Series RS-232 special.
Numbering of fusions:	Automatic and incremental.
Memory card capacity:	1600 fusions.



Specifications for butt fusion (TWIN-S):

Electrical connection:	5 circular connectors. Electrical base framework: 20x13 Hydraulic base framework: 30x19 24 Vdc trimmer: 20x3 230 Vac trimmer: 20x5 Heating plate: 20x6
Numbering of fusions:	Automatic and incremental.
Memory card capacity:	2100 fusions.

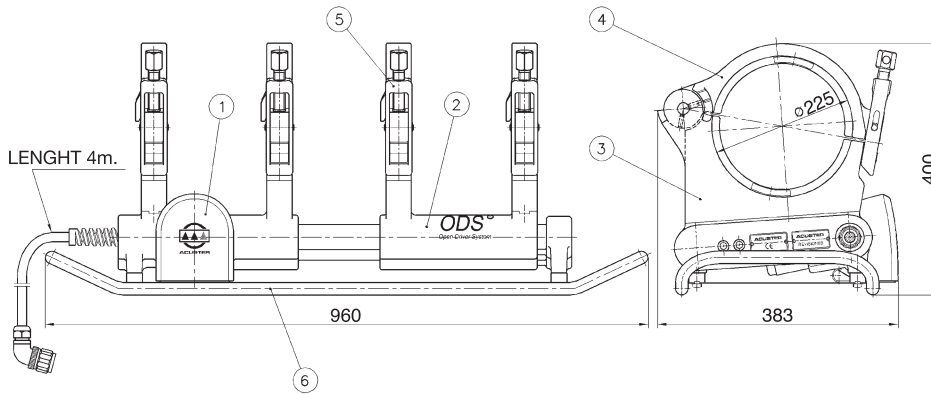


TECHNICAL SPECIFICATIONS

	225 E	315 H
	Base framework	
Operation	Electric	Hydraulic
Range of diameters	6(to 225 mm	9) to (.5 mm
Clamp fastening	26 mm socket wrench	() mm socket wrench
Supplements	for 6(, 75, 9), ..), .25, .4), .6), .8) and 2))	for 9), ..), .25, .4), .6), .8), 2)), 225, 25), 28) and (.5
Operation	24 V DC linear actuator	Two dual effect hydraulic cylinders
Maximum applicable force	4))) N	.)) bar
Displacement speed	2) mm/s	(5 mm/s
	Trimmer	
Operation	24 V motor	2() V motor
Mains voltage	24 Vdc nominal	nominal 2() Vac
Electric motor power	465 W nominal	72) W nominal
Operation	through 2 pushbuttons	. pushbutton
Rotation speed	..2 rpm	6) rpm
Speed regulation	Electronics	-
Blade adjustment	Shims	Shims
Transmission	Poly V belt	Chain with tightening
	Heating plate	
Surface temperature	Programmable up to 25) C°	
Temperature regulation	PID type by Triac	
Independent temperature control	Analogical thermometer	
Heating plate coating	Replaceable PTFE cloth	
Mains voltage	nominal 2() Vac	
Heating Plate power	2))) W	2()) W
		Hydraulic unit
Mains voltage	-	nominal 2() Vac
Maximum working pressure	-	.)) bar
Safety valve adjustment	-	..) bar
Oil tank capacity	-	5 :
Oil filter	-	25 µm
Oil type	-	HM-46, according to ISO 674(/4-HM

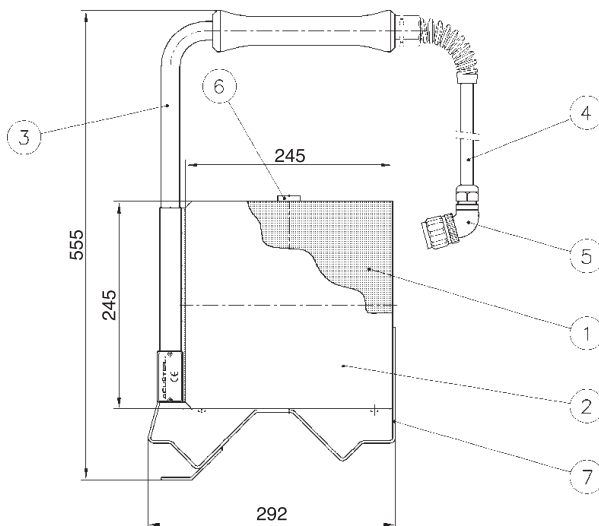
DIMENSIONS

225 E BASE FRAMEWORK



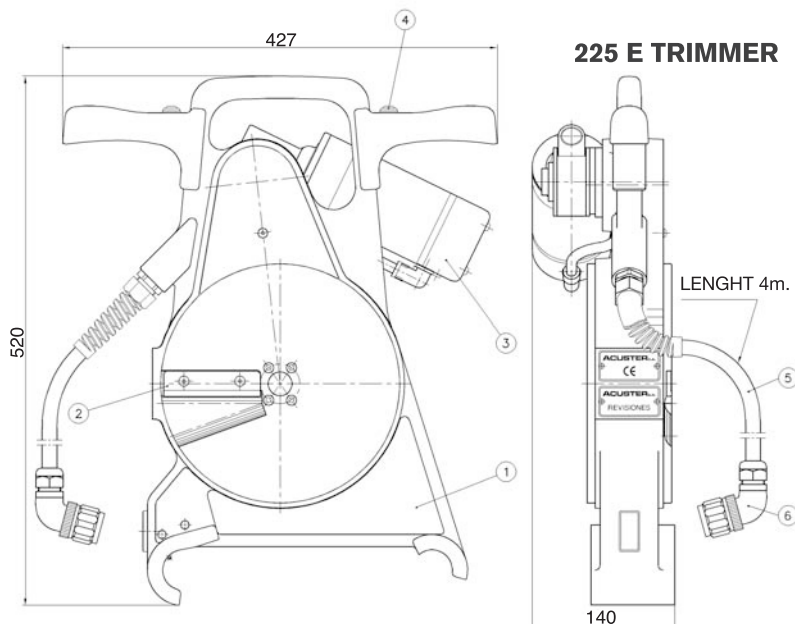
Item	Description
1	Moveable clamps
2	Fixed clamps
3	Lower clamp
4	Upper clamp
5	200/225 clamps locking device
6	Tubular frame

225 E HEATING PLATE



Item	Description
1	TVT Normal E-24
2	Heating plate with angle
3	Heating plate
4	Multipolar cable L)4 m.
5	Angle-piece circular connector
6	Analogical thermometer
7	Heating plate supporting profile

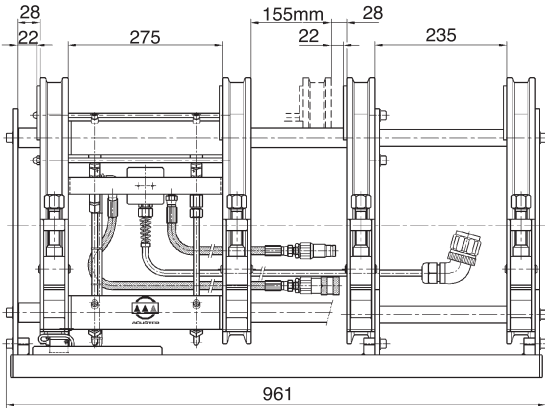
225 E TRIMMER



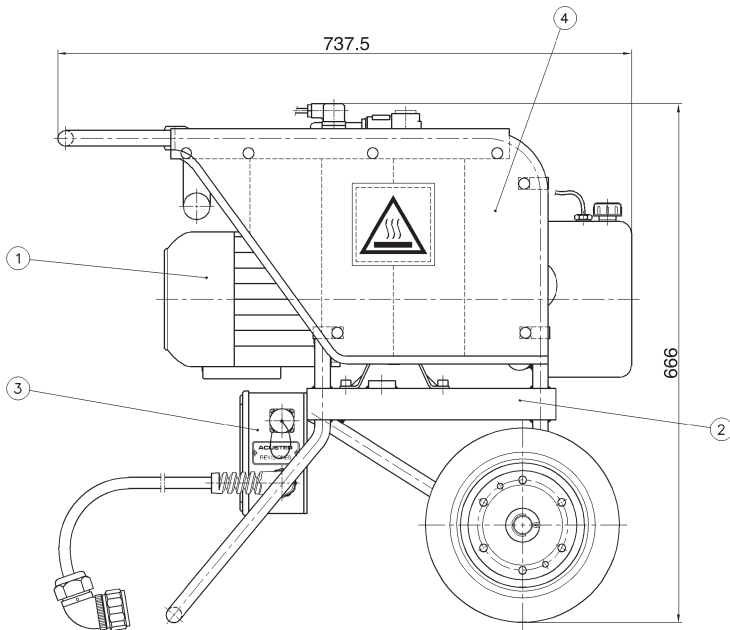
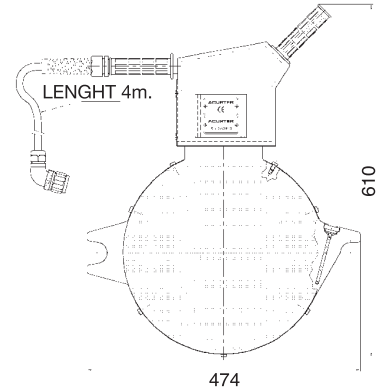
Item	Description
1	ODS 225 TRIMMER casing
2	Blade assembly
3	Parvalux gear motor
4	Push button
5	Multipolar cable L)4 m.
6	Male angle-piece circular connector

DIMENSIONS

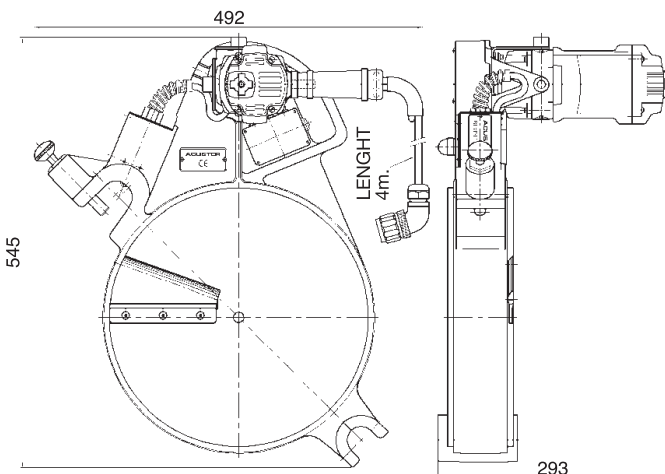
315 H BASE FRAME



315 H HEAT PLATE



315 H SURFACING UNIT



HYDRAULIC UNIT



Item	Description
1	Hydraulic unit
2	Transport trolley
3	Connecting box
4	Heating plate protection

Weights of the different parts:

	TWIN-S	225	315
Control module		34 Kg	
Base framework (without pipe adapters)	50 Kg	100 Kg	
Heating plate	6 Kg	10 Kg	
Trimmer	13 Kg	21 Kg	
Surfacing unit and plate support	3 Kg		
Hydraulic unit		49 Kg (on transport trolley)	
Total net weight TWIN,S	106 Kg	215 Kg	